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PATENT APPLICATION
10/807,572

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Claims

1-21. (cancelled)

22. (Currently Amended) A handheld motion control system comprising:

~~a handheld device that includes~~ a motion detector having a three-axis acceleration sensor; ~~and~~

a device locator configured to identify and select a device to be controlled from among a plurality of devices based on a direction of movement of the motion detector; and

a wireless communication interface that communicates ~~configured to communicate~~ information obtained by the motion detector to ~~;~~ ~~and~~ a processing apparatus of the selected device configured to obtain ~~that obtains~~ the information ~~through~~ from the wireless communication interface to process the information.

23. (Currently Amended) The motion control system according to Claim 22, wherein the handheld device further comprises a camera ~~and puts with~~ an axis of the camera along a third axis perpendicular to each of a first axis and a second axis of the three-axis acceleration sensor.

24. (Currently Amended) The motion control system according to Claim 22, wherein the handheld device further comprises a camera ~~and puts with~~ an axis of the camera in a direction along a longitudinal side of the handheld device.

25. (Currently Amended) The motion control system according to Claim 22, wherein the handheld device further comprises a camera ~~and puts with~~ an axis of the camera of the handheld device along an axis that is parallel to a mounting surface of the three-axis acceleration sensor.

26. (Previously presented) The motion control system according to Claim 22, wherein the motion detector of the handheld device includes a processor operable to allow a user to repeatedly selectively engage and disengage motion sensitivity.

27. (Previously presented) The motion control system according to Claim 22, wherein the handheld device is operable to provide feedback information to notify a user that a particular motion of the handheld device is recognized as a particular gesture.

28. (Previously presented) The motion control system according to Claim 27, wherein the handheld device is operable to provide the feedback information in an audio format.

29. (Previously presented) The motion control system according to Claim 27, wherein the handheld device is operable to provide the feedback information in a vibratory format.

30. (Currently Amended) The motion control system according to Claim 22, wherein the processing apparatus is a component of a DVD player.

31. (Currently Amended) The motion control system according to Claim 22, wherein the processing apparatus is a component of a television.

32. (Previously presented) The motion control system according to Claim 22, wherein the handheld device is connected to other computer peripheral equipment.

33. (Previously presented) The motion control system according to Claim 22, wherein the handheld device further comprises a unit that notifies a user of output.

34. (Currently Amended) The motion control system according to Claim 22, wherein the handheld device further comprises a unit that notifies a user of a battery level.

35. (Currently Amended) The motion control system according to Claim 22, wherein the handheld device further comprises a unit that notifies via a sound.

36. (Previously presented) The motion control system according to Claim 22, wherein the handheld device further comprises a user interface.

37. (Previously presented) The motion control system according to Claim 22, wherein the handheld device further comprises a unit that gives a vibratory feedback.

38. (Currently Amended) The motion control system according to Claim 23, wherein the ~~processing apparatus is operable to perform distance measurement based on information from the camera~~ is configured to provide information used for a distance measurement.

39. (Currently Amended) The motion control system according to Claim 24, wherein the ~~processing apparatus is operable to perform distance measurement based on information from the camera~~ is configured to provide information used for a distance measurement.

40. (Currently Amended) The motion control system according to Claim 25, wherein the ~~processing apparatus is operable to perform distance measurement based on information from the camera~~ is configured to provide information used for a distance measurement.

41. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus comprises a calendar application.

42. (Currently Amended) The motion control system according to Claim 22, wherein the ~~processing apparatus~~ motion detector is operable to allow a user to reset a base reference position of the handheld device.

43. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus is operable to provide electronic mail functionality.

44. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus is operable to provide a navigation menu.

45. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus is operable to provide time and date information.

46. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus further comprises a gesture mapping database.

47. (Previously presented) The motion control system according to Claim 22, wherein the processing apparatus further comprises a gesture database.

48. (Previously presented) The motion control system according to Claim 47, wherein the gesture database is operable to record a gesture made by a user.

49. (Currently Amended) The motion control system according to Claim 22, wherein:

the handheld device further comprises a camera; and

the ~~processing apparatus~~ motion detector is operable to detect a tilt and translation motion based on information obtained by the three-axis acceleration sensor and the camera.

50. (Currently Amended) A method for controlling a motion control system including a handheld device and a processing apparatus, the method comprising:

detecting movement of the handheld device by using ~~the~~a motion detector having a three-axis acceleration sensor:

identifying and selecting a device to be controlled from among a plurality of devices based on the detected movement of the handheld device;

communicating the movement obtained by the motion detector to the processing apparatus through ~~the~~a wireless communication interface of the identified and selected device ~~to the processing apparatus the movement obtained by the motion detector; and for processing of~~ the obtained movement by the processing apparatus.